L Number			DB	Time stamp
1	6	(("6401428") or ("3919023") or ("6068720") or ("6055783") or ("6286288") or ("6209269")).PN.	USPAT	2004/10/28 15:44
2	17		USPAT	2004/10/28 15:24
	,	"4552790" "4564540" "4608796" "4753056" "4791762"	031 A1	2004/10/20 13.24
		"4831799" "4994309" "5097642" "5177916" "5494715"		
2	40	"5544454" "5653073").PN.		
3 4	10		USPAT	2004/10/28 15:40
5	35		USPAT USPAT	2004/10/28 15:41
•		"3775914" "3791910" "3872198" "3919023" "3990196"	USPAT	2004/10/28 15:42
		"4015394" "4055031" "4109432" "4149348" "4368226"		
		"4407105" "4454703" "4479988" "4652472" "4753056"		
		"4850175" "4928448" "4994309" "5061531" "5107655"		16
		"5251417" "5295292" "5313761" "5364921" "5437902" "5568714" "5640828" "5653073" "5665823" "6055783").PN.		
6	4	(("0309636" "2993242" "3008196" "3030673" "3054153"	USPAT;	2004/40/00 45-54
	1	"3775914" "3791910" "3872198" "3919023" "3990196"	US-PGPUB;	2004/10/28 15:54
		"4015394" "4055031" "4109432" "4149348" "4368226"	EPO; JPO;	
		"4407105" "4454703" "4479988" "4652472" "4753056"	DERWENT;	
		"4850175" "4928448" "4994309" "5061531" "5107655"	IBM_TDB	•
		"5251417" "5295292" "5313761" "5364921" "5437902"		
		"5568714" "5640828" "5653073" "5665823" "6055783").PN.) and roller		
7	10		USPAT	2004/10/28 15:46
8	9	("3685239" "3810331" "3929186" "4015394" "4074480"	USPAT	2004/10/28 15:46
0		"4098035" "4166345" "4723388" "4791762").PN.	33.7	2004/10/20 13:40
9 10	4	6209269.URPN.	USPAT	2004/10/28 15:49
10	6	("4886095" "5017252" "5110337" "5254152" "5413156" "5419799").PN.	USPAT	2004/10/28 15:49
11	0	6068720.URPN.	USPAT	2004/40/00 45 50
12	0	1	USPAT	2004/10/28 15:52 2004/10/28 15:53
13	35		USPAT	2004/10/28 15:53
		"2052244" "2132217" "2246075" "2607453" "3203053"		-33 10.20 10.00
		"3573149" "3881290" "3919023" "4015394" "4027443"		
		"4109432" "4259135" "4407105" "4459789" "4472914" "4615159" "4856243" "4984402" "5033249" "5106663"		
		"5125195" "5131194" "5286537" "5503884" "5509984"		
		"5510416" "5512341" "5636484" "5653073" "5770321") PN		
14	3	(("0309636" "1605583" "1853317" "2029541" "2050733"	USPAT:	2004/10/28 15:56
		"2052244" "2132217" "2246075" "2607453" "3203053"	US-PGPUB;	1 10 17 10/20 10:00
		"3573149" "3881290" "3919023" "4015394" "4027443" "4100432" "4350135" "4407455" "44507308" "472044"	EPO; JPO;	
		"4109432" "4259135" "4407105" "4459789" "4472914" "4615159" "4856243" "4984402" "5033249" "5106663"	DERWENT;	
		"5125195" "5131194" "5286537" "5503884" "5509984"	IBM_TDB	
		"5510416" "5512341" "5636484" "5653073" "5770321").PN.)		
4.5		and roller		
15	18	6055783.URPN.	USPAT	2004/10/28 15:55
16	0	6055783.URPN. and roller	USPAT;	2004/10/28 15:59
			US-PGPUB;	
			EPO; JPO; DERWENT;	
j		·	IBM TDB	
17	7	("2684266" "2838809" "2974377" "3573149" "3733237"	USPAT	2004/10/28 15:56
		"3758996" "3791910").PN.		1.75,25 10.00
10	52	3919023.URPN. 3919023.URPN. and roller	USPAT	2004/10/28 15:56
18 19	n 1	Jackson Justin and fount	LICOAT	2004/10/28 15:59
18 19	9	TO TOOL O. O. T. T. B. B. TONE!	USPAT;	2004/10/26 15.59
	9	oo roozo.ora ra. ana rongi	US-PGPUB;	2004/10/28 15.59
	9	COTOSES.ON 14. End Toller	US-PGPUB; EPO; JPO;	2004/10/26 15.59
19			US-PGPUB; EPO; JPO; DERWENT;	2004/10/26 15.59
	18686	(ig or igu or (insulat\$5 near3 (glass or glazing))) and (sash or	US-PGPUB; EPO; JPO;	
19			US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	2004/10/28 17:29
19		(ig or igu or (insulat\$5 near3 (glass or glazing))) and (sash or	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	

21	287	((ig or igu or (insulat\$5 near3 (glass or glazing))) and (sash or frame)) and (roller near10 press\$5)	USPAT; US-PGPUB;	2004/10/28 16:06
			EPO; JPO; DERWENT; IBM_TDB	
22	48	((ig or igu or (insulat\$5 near3 (glass or glazing))) and (sash or frame)) and (roller near20 press\$5 near20 (laminat\$5 or bond\$5 or adher\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/10/28 17:31
23	239	(((ig or igu or (insulat\$5 near3 (glass or glazing))) and (sash or frame)) and (roller near10 press\$5)) not (((ig or igu or (insulat\$5 near3 (glass or glazing))) and (sash or frame)) and (roller near20 press\$5 near20 (laminat\$5 or bond\$5 or adher\$5)))	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/10/28 16:14
24	250015	(ig or igu or (insulat\$5 near3 (glass or glazing))) and (sash or frame)	IBM_TDB USOCR	2004/10/28 17:29
26	184	((ig or igu or (insulat\$5 near3 (glass or glazing))) and (sash or frame)) and (roller near20 (press or pressing or pressed) near20 (laminat\$5 or bond\$5 or adher\$5))	USOCR	2004/10/28 17:37
27	617	(156/104 or 156/108 or 1056/109 or 156/285 or 156/286 or 156/555 or 52/209 or 52/204.6 or 52/204.62) and (roller near10 (press or pressing or pressed))	USPAT; US-PGPUB; EPO; JPO;	2004/10/28 17:49
28	1814683	((156/104 or 156/108 or 1056/109 or 156/285 or 156/286 or 156/555 or 52/209 or 52/204.6 or 52/204.62) and (roller near10 (press or pressing or pressed))) (sash or frame)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/10/28 17:40
29	322	((156/104 or 156/108 or 1056/109 or 156/285 or 156/286 or 156/555 or 52/209 or 52/204.6 or 52/204.62) and (roller near10 (press or pressing or pressed))) and (sash or frame)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/10/28 17:40
30	331	((156/104 or 156/108 or 1056/109 or 156/285 or 156/286 or 156/555 or 52/209 or 52/204.6 or 52/204.62) and (roller near10 (press or pressing or pressed))) and (sash or frame or spacer)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/10/28 17:41
31	320	(((156/104 or 156/108 or 1056/109 or 156/285 or 156/286 or 156/555 or 52/209 or 52/204.6 or 52/204.62) and (roller near10 (press or pressing or pressed))) and (sash or frame or spacer)) not ((((ig or igu or (insulat\$5 near3 (glass or glazing))) and (sash or frame)) and (roller near10 press\$5)) not (((ig or igu or (insulat\$5 near3 (glass or glazing))) and (sash or frame)) and (roller near20 press\$5 near20 (laminat\$5 or bond\$5 or	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/28 17:41
32		adher\$5)))) (((156/104 or 156/108 or 1056/109 or 156/285 or 156/286 or 156/555 or 52/209 or 52/204.6 or 52/204.62) and (roller near10 (press or pressing or pressed))) and (sash or frame or spacer)) not (((ig or igu or (insulat\$5 near3 (glass or glazing))) and (sash or frame)) and (roller near10 press\$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/10/28 17:41
33	769	(156/556 or 156/566 or 52/204.52 or 204.591 or 52/204.593 or 52/204.597 or 52/204.71 or 52/204.7 or 52/786.1 or 52/786.13 or 428/34) and (ig or igu or (insulat\$5 near5 (glass or glazing))) and (sash or frame or spacer)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/10/28 17:52
34		((156/556 or 156/566 or 52/204.52 or 204.591 or 52/204.593 or 52/204.597 or 52/204.71 or 52/204.7 or 52/786.1 or 52/786.13 or 428/34) and (ig or igu or (insulat\$5 near5 (glass or glazing))) and (sash or frame or spacer)) and (roller near10 (press or pressing or pressed))	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/10/28 17:52
_		or pressed)) "6662523"	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/10/25 13:12

-	4	"6679013"	USPAT;	2004/10/25 13:12
	·		US-PGPUB;	2004/10/25 13:12
			EPO; JPO; DERWENT;	
	_		IBM TDB	
-	7	(("6662523") or ("6679013") or ("6536182") or ("6286288")).PN.	USPAT;	2004/10/25 17:13
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	29	sashlite.as.	USPAT;	2004/10/25 13:50
			US-PGPUB;	
			EPO; JPO; DERWENT;	
	10	(442-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	IBM TDB	
-	43	(("2625717") or ("3573149") or ("3919023") or ("4873803") or	USPAT;	2004/10/25 15:20
		("5124185") or ("5313761") or ("5653073") or ("6055783") or ("6209269") or ("6260251") or ("6286288") or ("20020046545") or	US-PGPUB;	
		("6401428") or ("20020189743") or ("20020189196") or	EPO; JPO; DERWENT;	
		("6536182") or ("20030084622") or ("20030089054") or	IBM_TDB	
_	4	("20030131558") or ("20030205315")).PN. "200005474"	_	
	"	200000714	USPAT; US-PGPUB;	2004/10/25 15:03
		·	EPO; JPO;	
			DERWENT;	
_	4	"2000005474"	IBM_TDB	
		2000003474	USPAT; US-PGPUB;	2004/10/25 15:15
			EPO; JPO;	
			DERWENT;	
-	13	"1052362"	IBM_TDB	
		1002002	USPAT; US-PGPUB;	2004/10/25 15:23
			EPO; JPO;	
			DERWENT;	
-	12	(("6260251") or ("6301843") or ("3667179") or ("5313761") or	IBM_TDB	0004440407
		("3573149")).PN.	USPAT; US-PGPUB;	2004/10/25 15:31
			EPO; JPO;	
			DERWENT;	
-	174	(ig or glazing or (insulat\$5 near2 glass)) and ((hole or aperture or	IBM_TDB USPAT:	2004/40/25 40:25
		opening) near10 (vacuum\$5 or evacuat\$5)) and roller	US-PGPUB;	2004/10/25 16:35
		·	EPO; JPO;	
			DERWENT;	
-	15	(ig or glazing or (insulat\$5 near2 glass)) and ((hole or aperture or	IBM_TDB USPAT;	2004/10/25 16:16
		opening) near10 (vacuum\$5 or evacuat\$5)) and (roller near20	US-PGPUB;	2004/10/20 10:10
		press\$5 near20 (pane or glass))	EPO; JPO;	
			DERWENT; IBM_TDB	
-	4	((ig or glazing or (insulat\$5 near2 glass)) and ((hole or aperture or	USPAT;	2004/10/25 15:43
		opening) near10 (vacuum\$5 or evacuat\$5)) and roller) and sash	US-PGPUB;	
			EPO; JPO;	
İ			DERWENT; IBM_TDB	
-	95	((ig or glazing or (insulat\$5 near2 glass)) and ((hole or aperture or	USPAT;	2004/10/25 15:43
		opening) near10 (vacuum\$5 or evacuat\$5)) and roller) and frame	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM_TDB	
	91	(((ig or glazing or (insulat\$5 near2 glass)) and ((hole or aperture	USPAT;	2004/10/25 15:43
		or opening) near10 (vacuum\$5 or evacuat\$5)) and roller) and frame) not (((ig or glazing or (insulat\$5 near2 glass)) and ((hole or	US-PGPUB;	
		aperture or opening) near10 (vacuum\$5 or evacuat\$5)) and	EPO; JPO; DERWENT;	
		roller) and sash)	IBM_TDB	

Γ-	1126	(ig or glazing or (insulat§5 page? slees)) and (that	111666	1 222
		(ig or glazing or (insulat\$5 near2 glass)) and ((hole or aperture or opening) near10 (vacuum\$5 or evacuat\$5)) and roller and (sash or frame)	USOCR	2004/10/25 16:17
-	102	(ig or (insulat\$5 near3 (glass or glazing))) and ((sash or frame) near20 (adhesive or seal\$5 or adher\$5 or bond\$5) near20 (glass or pane)) and ((evacuat\$5 or vacuum\$5 or vent\$5) near20 (hole or opening or aperture or port))	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/10/25 16:21
-	1	(ig or (insulat\$5 near3 (glass or glazing))) and ((sash or frame) near20 (adhesive or seal\$5 or adher\$5 or bond\$5) near20 (glass	IBM_TDB USPAT; US-PGPUB;	2004/10/25 16:28
		or pane) near20 roller) and ((evacuat\$5 or vacuum\$5 or vent\$5) near20 (hole or opening or aperture or port))	EPO; JPO; DERWENT; IBM_TDB	
•	6	("4886095" "5017252" "5110337" "5254152" "5413156" "5419799").PN.	USPAT	2004/10/25 16:23
•	0	6068720.URPN.	USPAT	2004/10/25 16:28
-	15	(ig or (insulat\$5 near3 (glass or glazing))) and ((sash or frame) near20 (adhesive or seal\$5 or adher\$5 or bond\$5) near20 (glass or pane) near20 roller)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 16:34
-	4	(ig or (insulat\$5 near3 (glass or glazing))) and ((sash or frame) near20 (adhesive or seal\$5 or adher\$5 or bond\$5) near20 (glass or pane) near20 roller)	USOCR	2004/10/28 16:04
_	77	((ig or glazing or (insulat\$5 near2 glass)) and ((hole or aperture or opening) near10 (vacuum\$5 or evacuat\$5)) and roller) not ((((ig or glazing or (insulat\$5 near2 glass)) and ((hole or aperture or opening) near10 (vacuum\$5 or evacuat\$5)) and roller) and sash) ro (((ig or glazing or (insulat\$5 near2 glass)) and ((hole or aperture or opening) near10 (vacuum\$5 or evacuat\$5)) and roller) and frame) or ((ig or (insulat\$5 near3 (glass or glazing))) and ((sash or frame) near20 (adhesive or seal\$5 or adher\$5 or bond\$5) near20 (glass or pane) near20 roller) and ((evacuat\$5 or vacuum\$5 or vent\$5) near20 (hole or opening or aperture or port))) or (("4886095" "5017252" "5110337" "5254152" "5413156" "5419799").PN.) or ((ig or (insulat\$5 near3 (glass or glazing))) and ((sash or frame) near20 (adhesive or seal\$5 or adher\$5 or bond\$5) near20 (glass or pane) near20 roller)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 16:35
<u>-</u>		((ig or glazing or (insulat\$5 near2 glass)) and ((hole or aperture or opening) near10 (vacuum\$5 or evacuat\$5)) and roller) not ((((ig or glazing or (insulat\$5 near2 glass)) and ((hole or aperture or opening) near10 (vacuum\$5 or evacuat\$5)) and roller) and sash) or (((ig or glazing or (insulat\$5 near2 glass)) and ((hole or aperture or opening) near10 (vacuum\$5 or evacuat\$5)) and roller) and frame) or ((ig or (insulat\$5 near3 (glass or glazing))) and ((sash or frame) near20 (adhesive or seal\$5 or adher\$5 or bond\$5) near20 (glass or pane) near20 roller) and ((evacuat\$5 or vacuum\$5 or vent\$5) near20 (hole or opening or aperture or port))) or (("4886095" "5017252" "5110337" "5254152" "5413156" "5419799").PN.) or ((ig or (insulat\$5 near3 (glass or glazing))) and ((sash or frame) near20 (adhesive or seal\$5 or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/25 16:39
		adher\$5 or bond\$5) near20 (glass or pane) near20 roller)))		

- 87	((ig or (insulat\$5 near3 (glass or glazing))) and ((sash or frame)	USPAT:	2004/40/00 40 04
	near20 (adhesive or seal\$5 or adher\$5 or bond\$5) near20 (glass	US-PGPUB;	2004/10/28 16:04
	or pane)) and ((evacuat\$5 or vacuum\$5 or vent\$5) near20 (hole	EPO; JPO;	
	or opening or aperture or port))) not (((ig or glazing or (insulat\$5	DERWENT;	
	near2 glass)) and ((hole or aperture or opening) near10	IBM TDB	
	(vacuum\$5 or evacuat\$5)) and roller) or (((ig or glazing or	IDINI_IDB	
	(insulat\$5 near2 glass)) and ((hole or aperture or opening)		
	near10 (vacuum\$5 or evacuat\$5)) and roller) and sash) or (((ig or		
	glazing or (insulat\$5 near2 glass)) and ((hole or aperture or		
ĺ	opening) near10 (vacuum\$5 or evacuat\$5)) and roller) and frame)		
	or ((ig or (insulat\$5 near3 (glass or glazing))) and ((sash or		
	frame) near20 (adhesive or seal\$5 or adher\$5 or bond\$5) near20		
	(glass or pane) near20 roller) and ((evacuat\$5 or vacuum\$5 or		
	vent\$5) near20 (hole or opening or aperture or port))) or		
	(("4886095" "5017252" "5110337" "5254152" "5413156"		
	"5419799").PN.) or ((ig or (insulat\$5 near3 (glass or glazing)))		
	and ((sash or frame) near20 (adhesive or seal\$5 or adher\$5 or		
	bond\$5) near20 (glass or pane) near20 roller)))		
- 11	(("6401428") or ("6068720") or ("6286288") or ("6209269") or	USPAT	2004/10/25 17:14
	("6055783") or ("5653073") or ("5124185") or ("3919023") or		200-1/10/20 17.14
	("5051145") or ("4909874") or ("4865671")).PN.		